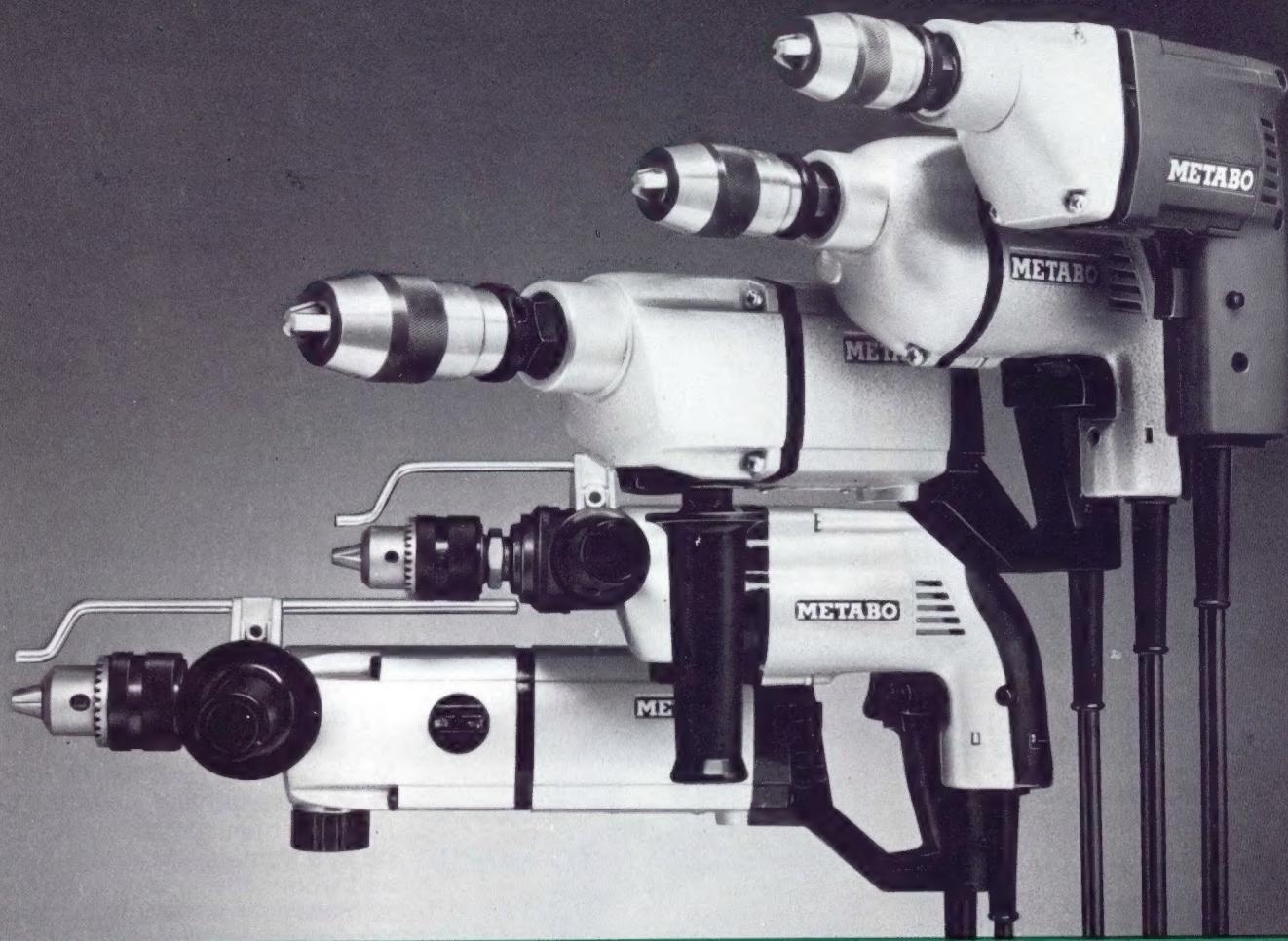


 Metabo



**Tomorrow's Design.
Available Today!**



Metabo Drills and Hammer Drills

Metabo offers a full line of high-quality, high performance drills and hammer drills for continuous heavy-duty use, from the D-40 1/4" drill and the HD-1 3/8" hammer drill to the D-125 1/2" 2-speed spade handle drill or the HD-62 1-1/4" heavy-duty hammer drill.

For Safety: Metabo Professional Power Tools

FERROSTAAL-METABO TOOL CORPORATION
37-22 13th Street
(212) 786-2220

Long Island City N.Y. 11101
P.O. Box 1482

Tomorrow's Design Available Today!



Check these Exceptional Features

Highest quality throughout for top performance and longest life.

Heat-treated gears for smoothest running performance.

Sealed precision ball and needle bearings throughout.

Epoxy-insulated armature with welded commutator for longer life.

Double-insulated construction supplied with 3-prong cord.

Comfort-designed switch handles.

Heavy-duty double-pole trigger switch.

Available with full line of accessories.



Metabo S-Automatic Safety Clutch

Metabo drills and hammer drills incorporate many outstanding features for top performance listed on this page. The following models are moreover equipped with the Metabo S-Automatic safety clutch providing additional safety for tool and operator:

D-60, D-100, HD-20, HD-32.

Here is how the S-Automatic works: We set it during manufacture to full load conditions so that the motor continues to run if the bit binds or stalls due to overload. In this way, motor and gears will be protected against overload. Also, excessive torque or sudden overloads cannot tear the tool out of your hand.

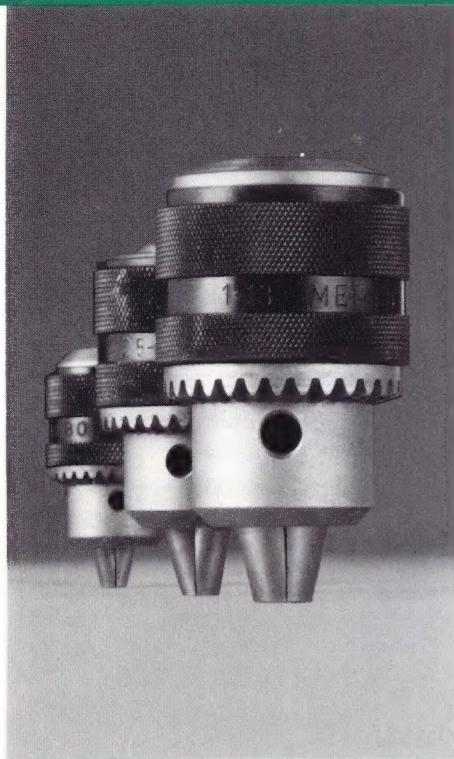
The Metabo S-Automatic safety clutch has an unlimited lifetime and requires no maintenance.

Warranty

Metabo power tools have been carefully tested and inspected before shipment and are warranteed to be free from any defects in materials and workmanship for a period of 12 months from date of purchase based on warranty card returned to us.

Should trouble develop, simply return complete tool prepaid to Ferrostaal-Metabo Tool Corporation or its nearest authorized Service Center. If inspection shows defective material or workmanship, all repairs will be made without charge during the warranty period.

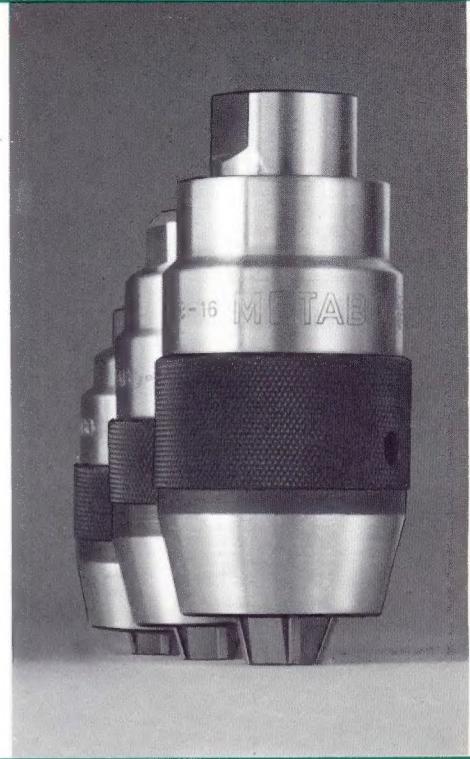
This warranty does not apply to normal wear and tear. It does not cover any damages caused by careless or unsafe handling, alterations, accidents, misuse, or repairs attempted or made by personnel other than Ferrostaal-Metabo Tool Corporation or its authorized Service Centers. This warranty applies in lieu of any other warranties, expressed or implied, and variations of its terms are not authorized.



Metabo Geared Chuck for Drills and Hammer Drills



Metabo Futuro Keyless Chuck for Drills



Metabo Futuro-Plus Keyless Chuck for Hammer Drills

Metabo Chucks

Metabo manufactures a full line of geared and Futuro keyless precision chucks of highest quality. Thus only Metabo lets you choose the chuck best suited to your job requirements:

Precision geared chucks for drills and hammer drills.

Futuro precision keyless chucks for drills.

Futuro-Plus precision keyless chucks for hammer drills.

Check the cross-reference chart on page 10 for chucks available for your needs

Which Chuck to Choose:

Keyless chucks permit quick change of bits. Also, no key to look for, and no hazard of starting tool with key accidentally left in chuck. Thus many experts agree that the extra convenience and safety of Metabo's keyless chucks is well worth the slight additional cost.

Note

Metabo drills are normally furnished with Futuro keyless chucks, unless otherwise specified.

Metabo hammer drills are normally furnished with geared chucks, unless otherwise specified.





Model D-40

$\frac{1}{4}$ " Super-duty drill for continuous production use.
In-line pistol grip.
2-prong cord

Specifications

Capacity in steel: $\frac{1}{4}$ "
Capacity in wood: $\frac{5}{8}$ "
No-load speed: 2800 RPM
Rated at
115 V AC 60 cps: 2.8 AMP
Net weight: $3\frac{1}{2}$ lbs
Overall length: 10"

Note

On special order request, above unit is also available in a variable speed version, Model D-40 VS, no-load speed 0-2800 RPM

Model D-80

Ideal heavy-duty drill for carpenters, electricians, plumbers, maintenance work, etc.
In-line pistol grip.

Specifications

Capacity in steel: $\frac{3}{8}$ "
Capacity in wood: $\frac{3}{4}$ "
No-load speed: 1300 RPM
Rated at
115 V AC 60 cps: 3.6 AMP
Net weight: 4 lbs
Overall length: 11"

Right Angle Drive unit BWK 3

Right angle head for models D 80, D 80 VS, D 60, D 110, D 100
Gear ratio 1:1



Model D-80 VS

Same as D-80, except variable speed.

Specifications

Capacity in steel: $\frac{3}{8}$ "
Capacity in wood: $\frac{3}{4}$ "
No-load speed: 0-1300 RPM
Rated at
115 V AC 60 cps: 3.6 AMP
Net weight: 4 lbs
Overall length: 11"



Model D-60

$\frac{3}{8}$ " Super-duty drill for continuous production use. Metabo S-Automatic safety clutch. In-line pistol grip.

Specifications

Capacity in steel: $\frac{3}{8}$ "
Capacity in wood: 1"
No-load speed: 1300 RPM
Rated at
115 V AC 60 cps: 4.3 AMP
Net weight: $4\frac{1}{2}$ lbs
Overall length: 11"



Model D-110

$\frac{1}{2}$ " Heavy-duty drill. Two-speed gear reduction for full torque at high and low speeds. In-line pistol grip.

Specifications

Capacity in steel: $\frac{1}{2}$ "
Capacity in wood: $1\frac{1}{4}$ "
No-load speeds: 1300/2800 RPM
Rated at
115 V AC 60 cps: 3.6 AMP
Net weight: $4\frac{1}{2}$ lbs
Overall length: 12"



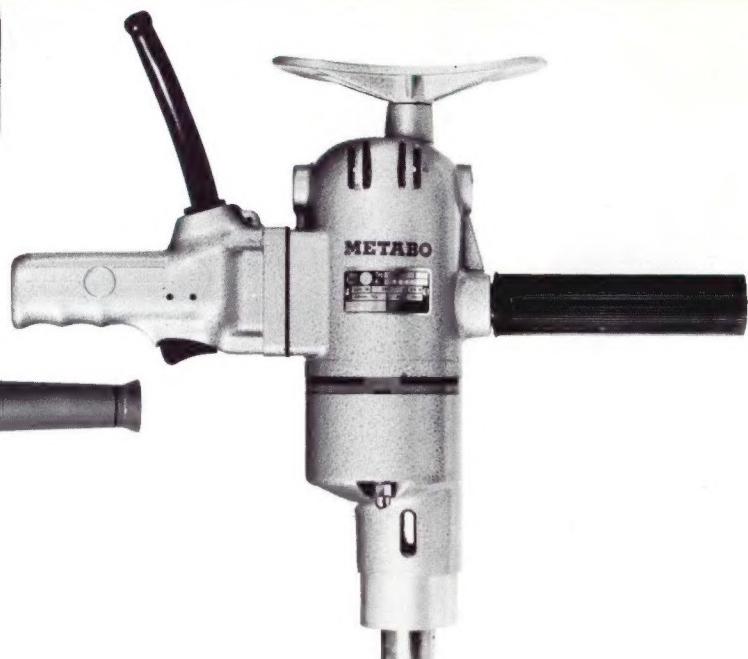
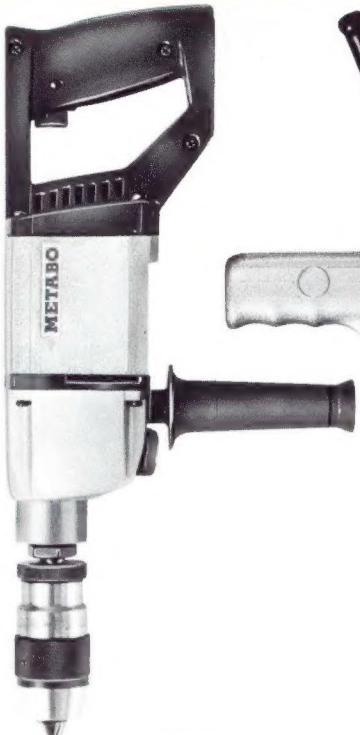
Model D-100

$\frac{1}{2}$ " Super-duty drill. Two-speed gear reduction for full torque at high and low speeds. Metabo S-Automatic safety clutch. In-line pistol grip.

Specifications

Capacity in steel: $\frac{1}{2}$ "
Capacity in wood: $1\frac{1}{4}$ "
No-load speeds: 1300/2800 RPM
Rated at
115 V AC 60 cps: 4.0 AMP
Net weight: $5\frac{1}{2}$ lbs
Overall length: 12"





Model D-120

$\frac{1}{2}$ " Heavy-duty drill.
Increased motor rating for high torque at lower RPM.
Spade handle and side handle for easy use.

Model D-125

$\frac{1}{2}$ " Heavy-duty drill.
Two-speed gear reduction for full torque at high and low speeds.
Increased motor rating.
Spade handle and side handle for easy use.

Model D-175

$\frac{3}{4}$ " Heavy-duty drill.
Two speed gear reduction for full torque at high and low speeds.
Perfectly balanced – mechanically and electrically.
Breast-plate and especially designed handles – pipe handle removable – to handle a wide variety of drilling jobs.

Specifications

Capacity in steel: $\frac{1}{2}$ "
Capacity in wood: $1\frac{1}{4}$ "
No-load speed: 850 RPM
Rated at
115 V AC 60 cps: 4.2 AMP
Net weight: 8 lbs
Overall length: 17"

Specifications

Capacity in steel: $\frac{1}{2}$ "
Capacity in wood: $1\frac{1}{4}$ "
No-load speeds: 850/2000 RPM
Rated at
115 V AC 60 cps: 4.2 AMP
Net weight: 8 lbs
Overall length: 17"

Specifications

Capacity in steel: $\frac{3}{4}$ "
No-load speeds: 500/1000 RPM
Rated at
115 V AC 60 cps: 6.0 AMP
Net weight: $10\frac{1}{4}$ lbs
Overall length: 15"
Spindle taper: No. 2 MT

(tool is normally supplied without taper arbor and chuck)

Accessories for Model D-175

Taper arbor: MT No. 2 B 18
Geared chuck: 799-4 No. 35.049
Ejector key: No. 33.903.120



Model HD-1

$\frac{3}{8}$ " Standard-duty hammer drill.
Light-weight reliable performer – only $3\frac{1}{4}$ lbs.
Speed selector switch for high and low speeds, located on handle.
Positive locking shift collar easily converts drill to hammer drill.
In-line pistol grip.
Removable side handle and depth gauge.

Specifications

Capacity in concrete: $\frac{3}{8}$ "
Capacity in steel: $\frac{3}{8}$ "
Capacity in wood: 1"
No-load speeds: 2000/2800 RPM
Blows per minute: 28000/38000
Rated at 115 V AC 60 cps: 3 AMP
Net weight: $3\frac{1}{4}$ lbs
Overall length: 10"

Model HD-12

$\frac{1}{2}$ " Heavy-duty hammer drill.
Two-speed gear reduction for full torque at high and low speeds.
Positive action from drill to hammer drill by simply turning of dust-proof knob.
In-line pistol grip.
Multi-positional side handle with depth gauge.

Specifications

Capacity in concrete: $\frac{1}{2}$ "
Capacity in steel: $\frac{3}{8}$ "
Capacity in wood: 1"
No-load speeds: 1000/2800 RPM
Blows per minute, full load: 12000/32000
Rated at 115 V AC 60 cps: 3.4 AMP
Net weight: 5 lbs
Overall length: 12"

Model HD-20

$\frac{3}{4}$ " Heavy-duty hammer drill.
Metabo S-Automatic safety clutch.
4 different impact settings.
In-line pistol grip.
Multi-positional side handle with depth gauge.

Specifications

Capacity in concrete: $\frac{3}{4}$ "
Capacity in steel: $\frac{1}{2}$ "
No-load speed: 1350 RPM
Blows per minute, full load: 17000
Rated at 115 V AC 60 cps: 4.2 AMP
Net weight: 6 lbs.
Overall length: 12"

Note

Above unit also available in a single-speed version, Model HD-10, no-load speed 2800 RPM, 32000 blows per minute at full load.



Model HD-32

3/4" Heavy-duty hammer drill.
Two-speed gear reduction for full torque at high and low speeds.
Metabo S-Automatic safety clutch
4 different impact settings.
In-line pistol grip.
Multi-positional side handle with depth gauge.

Specifications

Capacity in concrete:
Capacity in steel:
No-load speeds, RPM:
Blows per minute, full load:
Rated at 115 V AC 60 cps:
Net weight:
Overall length:

	Low speed	High speed
Capacity in concrete:	3/4"	3/8"
Capacity in steel:	1/2"	5/16"
No-load speeds, RPM:	1000	2800
Blows per minute, full load:	15000	40000
Rated at 115 V AC 60 cps:	4.2 AMP	
Net weight:	6 1/2 lbs	
Overall length:	13 1/2"	



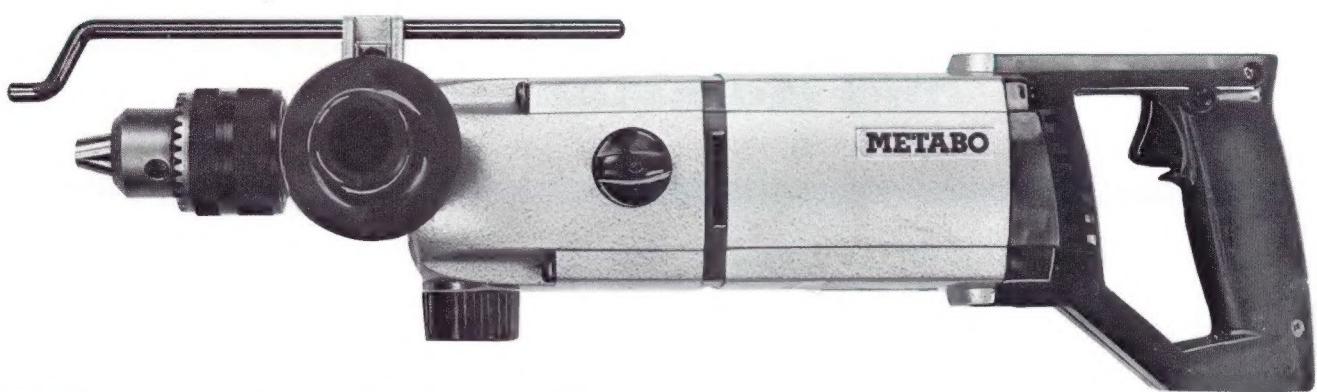
Model HD-42

3/4" Super-duty hammer drill.
Two-speed gear reduction for full torque at high and low speeds.
Four adjustments from light to heavy hammering, even while unit is in operation.
Designed for high-speed setting of masonry anchors and maximum performance for larger holes.
Spade handle.
Multi-positional side handle with depth gauge.

Specifications

Capacity in concrete:
with solid bits:
with core bits:
Capacity in steel:
No-load speeds, RPM:
Blows per minute, full load:
Rated at 115 V AC 60 cps:
Net weight:
Overall length:

	Low speed	High speed
Capacity in concrete:	3/4"	3/8"
with solid bits:	1 1/4"	
with core bits:	1/2"	3/8"
Capacity in steel:	900	2300
No-load speeds, RPM:	12500	31000
Blows per minute, full load:	3.8 AMP	
Rated at 115 V AC 60 cps:	7 3/4 lbs	
Net weight:	17"	
Overall length:		



Model HD-62

1 1/4" Super-duty hammer drill.
Two-speed gear reduction for full torque at high and low speeds.
Designed for the toughest jobs.
Positive action from drill to hammer drill by simply turning of dustproof knob.
Easy access, positive lock speed selector knob.
Spade handle.
Multi-positional side handle with depth gauge, extension shank for side handle.

Specifications

	Low speed	High speed
Capacity in concrete:		
with solid bits:	1 1/4"	1/2"
with core bits:	2 5/8"	
Capacity in steel:	5/8"	3/8"
No-load speeds, RPM:	540	1600
Blows per minute, full load:	6000	17500
Rated at 115 V AC 60 cps:		
Net weight:	5.2 AMP	
Overall length:	11 1/2 lbs	
	20"	

Hammer Drill Accessories



Side Handle compl.
for HD-20, HD-32, HD-42
for HD-62

Cat. No.
23.159

31.600.547



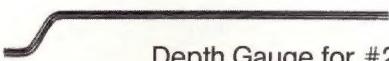
Side Handle Extension
for HD-62 only

23.566



Adjustable Side Handle
for HD-1, HD-10, HD-12

27.281



Depth Gauge for #27.281

27.288

Carrying Cases

for Models D-40, D-60, D-80, D-100, D-110, HD-1, HD-10, HD-12, HD-20, HD-32	Cat. No. 23.999
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for Models D-120, D-125, HD-42	Cat. No. 23.125
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for Model HD-62	Cat. No. 23.126
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Chuck Chart and Cross Reference for Metabo Drills and Hammer Drills

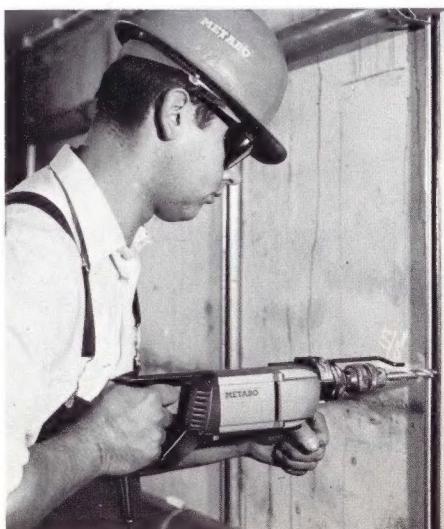
Model	Capacity	Spindle Connection	Type	Cat. No.
Metabo Drills				
D 40	0- $\frac{1}{4}$ "	$\frac{3}{8}$ " × 24 NF	799-0	Geared 35.008
D 40 VS	0- $\frac{1}{4}$ "	$\frac{3}{8}$ " × 24 NF	800-0	Futuro 36.008
D 60	$\frac{1}{64}$ - $\frac{3}{8}$ " $\frac{1}{16}$ - $\frac{3}{8}$ "	$\frac{3}{8}$ " × 24 NF	799-1/10 800-1/10	Geared 35.019 Futuro 36.071
D 80	$\frac{1}{64}$ - $\frac{3}{8}$ " $\frac{1}{16}$ - $\frac{3}{8}$ "	$\frac{3}{8}$ " × 24 NF	799-1/10 800-1/10	Geared 35.019 Futuro 36.071
D 100	$\frac{3}{32}$ - $\frac{1}{2}$ " $\frac{3}{64}$ - $\frac{1}{2}$ "	$\frac{3}{8}$ " × 24 NF	799-2/13 800-2/13	Geared 35.033 Futuro 36.079
D 110	$\frac{3}{32}$ - $\frac{1}{2}$ " $\frac{3}{64}$ - $\frac{1}{2}$ "	$\frac{3}{8}$ " × 24 NF	799-2/13 800-2/13	Geared 35.033 Futuro 36.079
D 120	$\frac{3}{32}$ - $\frac{1}{2}$ " $\frac{3}{64}$ - $\frac{1}{2}$ "	B 16	799-2/13 800-2/13	Geared 35.036 Futuro 36.078
D 125	$\frac{3}{32}$ - $\frac{1}{2}$ " $\frac{3}{64}$ - $\frac{1}{2}$ "	B 16	799-2/13 800-2/13	Geared 35.036 Futuro 36.078
D 175	$\frac{1}{8}$ - $\frac{5}{8}$ " $\frac{1}{8}$ - $\frac{5}{8}$ "	B 18	799-4 800-4	Geared 35.049 Futuro 36.053
Metabo Hammer Drills				
HD 1	$\frac{1}{64}$ - $\frac{3}{8}$ "	$\frac{3}{8}$ " × 24 NF	799-1/10	Geared 35.019
HD 10	$\frac{1}{64}$ - $\frac{3}{8}$ " 0- $\frac{3}{8}$ "	$\frac{3}{8}$ " × 24 NF	799-1/10 800-2 SB	Geared 35.019 Futuro Plus 36.081
HD 12	$\frac{1}{64}$ - $\frac{3}{8}$ " 0- $\frac{3}{8}$ "	$\frac{3}{8}$ " × 24 NF	799-1/10 800-2 SB	Geared 35.019 Futuro Plus 36.081
HD 20	$\frac{3}{32}$ - $\frac{1}{2}$ " $\frac{3}{64}$ - $\frac{1}{2}$ "	$\frac{1}{2}$ " × 20 NF	799-2/13 800-2/13 SB	Geared 35.035 Futuro Plus 36.103
HD 32	$\frac{3}{32}$ - $\frac{1}{2}$ " $\frac{3}{64}$ - $\frac{1}{2}$ "	$\frac{1}{2}$ " × 20 NF	799-2/13 800-2/13 SB	Geared 35.035 Futuro Plus 36.103
HD 42	$\frac{3}{64}$ - $\frac{1}{2}$ " $\frac{3}{64}$ - $\frac{1}{2}$ "	B 16	799-3 800-3 SB	Geared 35.037 Futuro Plus 36.038
HD 62	$\frac{1}{8}$ - $\frac{5}{8}$ " $\frac{1}{8}$ - $\frac{5}{8}$ "	$\frac{5}{8}$ " × 16 NF	799-4 800-4 SB	Geared 35.056 Futuro Plus 36.094

If replacement chuck key required, please order:

Cat. No. 35.165 for Cat. No. 35.008

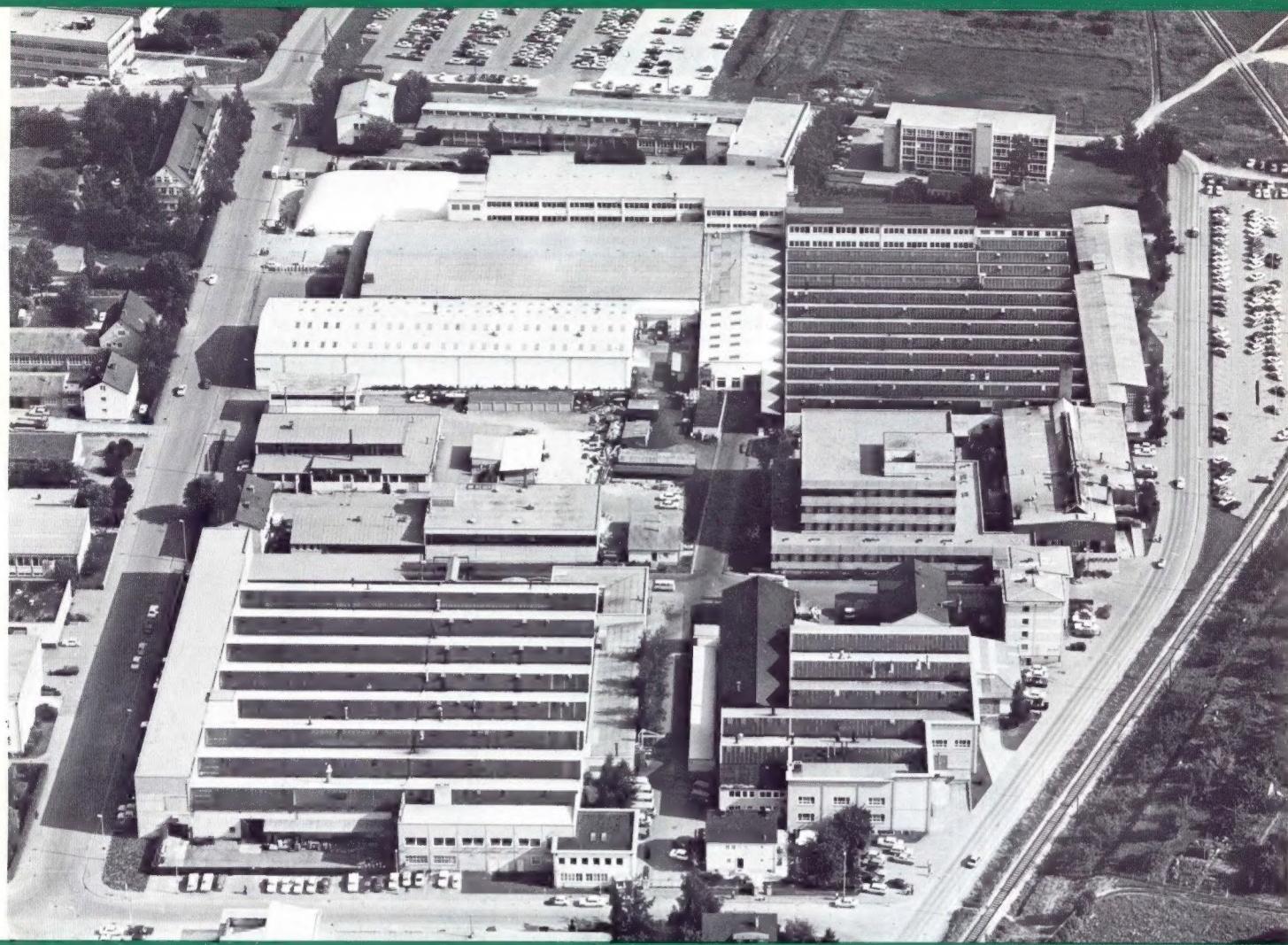
Cat. No. 35.167 for Cat. No. 35.019-35.033-35.035-35.036

Cat. No. 35.168 for Cat. No. 35.037-35.049-35.056



Percussion Carbide Bits for Hammer Drills

	Drill dia.	Length	Shank dia.	Drills per Package	Cat. No.
HD 1	1/8"	3"	1/8"	12	J-101
	5/32"	3"	5/32"	12	J-102
	11/64"	3 1/4"	11/64"	12	J-103
	3/16"	3 1/2"	3/16"	12	J-104
	3/8"	6"	3/16"	12	J-105
	13/64"	3 3/4"	13/64"	12	J-106
	7/32"	3 3/4"	7/32"	12	J-107
	15/64"	4"	15/64"	12	J-108
	1/4"	4 1/4"	1/4"	12	J-109
	1/4"	6"	1/4"	12	J-110
	1/4"	12"	1/4"	12	J-111
	1/4"	16"	1/4"	12	J-112
	1/4"	20"	1/4"	12	J-113
	9/32"	4 1/4"	1/4"	12	J-116
	9/32"	6"	1/4"	12	J-117
	5/16"	4 3/4"	5/16"	12	J-118
	5/16"	4 3/4"	1/4"	12	J-119
	5/16"	6"	5/16"	12	J-120
	5/16"	6"	1/4"	12	J-121
	5/16"	12"	5/16"	12	J-122
	5/16"	12"	1/4"	12	J-123
	5/16"	20"	5/16"	12	J-126
	5/16"	20"	1/4"	12	J-127
	3/8"	6"	3/8"	12	J-130
	3/8"	6"	1/4"	12	J-131
	3/8"	12"	3/8"	12	J-132
	3/8"	12"	1/4"	12	J-133
	3/8"	20"	3/8"	12	J-136
	3/8"	20"	1/4"	12	J-137
	7/16"	6 1/4"	7/16"	12	J-141
	7/16"	6 1/4"	1/4"	12	J-142
	1/2"	6 3/4"	1/2"	12	J-145
	1/2"	6 3/4"	3/8"	12	J-146
	1/2"	6 3/4"	1/4"	12	J-147
	1/2"	12"	1/2"	12	J-148
	1/2"	12"	3/8"	12	J-149
	1/2"	20"	1/2"	12	J-154
	1/2"	20"	3/8"	12	J-155
	9/16"	7 1/4"	3/8"	12	J-161
	5/8"	6"	1/2"	6	J-162
	5/8"	6"	3/8"	6	J-163
	5/8"	10"	1/2"	6	J-164
	5/8"	16"	1/2"	6	J-166
	5/8"	20"	1/2"	6	J-167
	11/16"	10"	1/2"	6	J-170
	3/4"	6"	1/2"	6	J-171
	3/4"	10"	1/2"	6	J-173
	3/4"	20"	1/2"	3	J-176
	27/32"	6"	1/2"	6	J-179
	7/8"	6"	1/2"	6	J-180
	7/8"	10"	1/2"	6	J-181
	7/8"	20"	1/2"	3	J-183
	1"	6"	1/2"	3	J-185
	1"	10"	1/2"	3	J-186
	1"	20"	1/2"	3	J-188
	1 1/8"	12"	1/2"	3	J-191
	1 1/4"	12"	1/2"	1	J-193
	1 3/8"	12"	1/2"	1	J-195
	1 1/2"	12"	5/8"	1	J-197
	1 5/8"	12"	5/8"	1	J-199



Professional Quality Power Tools

Our Sales Program

**Angle Grinders
12" Cut-Off Machine
Drills**

**Hammer Drills
Rotary Hammers**

**Screwdrivers for Drywall and for
Self-Drilling, Self-Tapping Fasteners**

**Orbital Sanders
Geared & Keyless Chucks
Grinding Wheels and Discs
Metabo-heller Bit System**

Ferrostaal-Metabo Tool Corporation is a member of the Power Tool Institute,
Mt. Prospect, Illinois.